

# Report of Inspection/Test

## Semi-Annual Lab Inspection

December 30, 2004

### Property

test  
James Field  
113 Draper Hall  
40 Campus Center Way  
University of Mass

### Owner/Agent

Environmental Health & Safe

# Environmental Health & Safety

117 Draper Hall  
UMass at Amherst, MA 01003  
Tel. (413) 545-2682



Conducted by: Scott Labonte  
Inspection Ref: 122

## Doors/Lab Safety Card

- |     |   |
|-----|---|
| No  | Laboratory Safety Information Card is up to date.   |
| Yes | There is a Biohazard sticker on the Safety card.  |
| No  | Biohazards that are listed.   |
| Yes | Other appropriate signs present (i.e., NFPA diamond, gases, flammables, oxidizers, etc.). |
| Yes | Door windows are unobstructed.  |
| No  | Doors are unobstructed.   |

## Safety

- |     |   |
|-----|---|
| NA  | Laboratory personnel have undergone safety training and specific training in the procedures conducted in the lab. |
| Yes | The drench shower is unobstructed.  |
| Yes | The drench shower has been properly tested.   |

### rewrite questions

- |     |   |
|-----|---|
| Yes | Eyewash station(s) is available.                              |
| Yes | All eyewash stations are accessible.                          |
| No  | Eyewash stations are "flushed" weekly for at least 3 minutes. |
| Yes | Fire extinguisher(s) located near lab doors.                  |
| Yes | Fire extinguisher(s) not discharged or tampered with.         |
| Yes | Fire extinguisher(s) have current inspection dates.           |
| Yes | First Aid kit is available.                                   |

## Signs and Postings

- |     |  |
|-----|--|
| Yes | "CAUTION - EYE PROTECTION REQUIRED"                        |
| No  | Laboratory Safety Rules are posted.                        |
| Yes | Emergency telephone numbers are posted.                    |
| No  | Emergency gas and electrical shutoffs are clearly labeled. |

## General Housekeeping

- |     |  |
|-----|--|
| No  | The laboratory is clean, neat, and orderly.                                      |
| No  | Aisles and corridors are free of obstruction and tripping hazards.               |
| No  | The floor is in good condition.  |
| Yes | Food and beverages are not consumed and cosmetics not applied in the laboratory. |
| Yes | Laboratory doors are locked when the laboratory is not in use.                   |
| Yes | Chemicals are not discarded into waste baskets or sink drains.                   |

## Radiation Lab Postings

- |    |                                  |
|----|----------------------------------|
| NA | 105CMR 120.000 is present        |
| NA | MRCP 120.175-1 is present.       |
| NA | CAUTION RAM sign is present.     |
| NA | Controlled Area sign is present. |

## Personal Protective Equipment (PPE)

- |    |   |
|----|---|
| NA | All laboratory occupants wear the appropriate eye and/or face protection.         |
| NA | The protective eyewear meets ANSI standard, Z87.1, as required.                   |
| NA | All laboratory occupants wear appropriate laboratory coats and aprons as needed.  |
| NA | All laboratory occupants wear appropriate gloves as needed.                       |
| NA | Laboratory visitors are required to wear personal protective equipment as needed. |

## General Safety Procedures

Print Date: 11/18/2005

(All "NO" answers are to be fully explained.)  
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## General Safety Procedures

- Yes                      Shorts and open-toed shoes are prohibited without a laboratory coat and foot coverings.  
Yes                      Loose clothing and long hair is confined to prevent contact with chemicals and equipment.

## Chemical Safety

### except unknowns

- No                      All chemical containers are properly labeled.  
No                      All chemicals are stored compatibly.  
Yes                      Flammable liquid storage is kept to an absolute minimum.  
No                      Flammable liquids are stored in approved flammable storage cabinets or refrigerators.  
Yes                      Chemicals are not placed or stored on the floor.  
Yes                      All hazardous, toxic, and odiferous chemicals are used in approved fume hoods.  
No                      Acutely hazardous chemicals are used with appropriate safeguards.

## Biological Waste

- Yes                      Sharps are disposed of in sharps containers.  
NA                      Cultures and stocks are chemically disinfected or autoclaved before disposal.  
NA                      All biohazard identifiers are removed or covered before disposal.  
NA                      Lab has necessary materials to properly label sharps containers, medical waste and animal carcasses for pick up.

## Chemical Waste

- Yes                      Chemical waste is located in a properly identified area.  
Yes                      The chemical waste label clearly identifies the chemical constituents and specific hazards.  
Yes                      Chemical waste containers are closed and in good condition.  
Yes                      Secondary containment is used properly.  
NA                      Hazardous waste is checked weekly.  
NA                      Waste requests have been submitted for full containers.

## Fume Hood and Exhaust Systems

checked 6-17-04

- Repair WO Date  
Repair WO Done Date
- Yes                      Chemical fume hoods and/or bio-safety cabinets have been properly tested.  
Yes                      Chemical fume hoods are being used at proper sash heights.  
No                      Chemical fume hoods are not used for storage unless so designated.  
Yes                      Fume hood lights are working.  
Yes                      Fume hood or bio-safety cabinet tested within one year.  
Yes                      Fume hood is being used for research.

## Gas Cylinders

- Yes                      Gas cylinders are stored compatibly.  
Yes                      All gas cylinders are properly capped or have regulators.  
Yes                      All gas cylinders are properly secured to a stationary bench or wall.  
NA                      All flammable gas cylinders are located away from doors.  
Yes                      All gas cylinders are located away from electric panels or outlets.  
NA                      Extremely poisonous gases are used in approved gas cylinder cabinets.  
NA                      Gas cylinders are transported on appropriate carts with straps or chains.

## Refrigerators

- Yes                      Flammable liquids are not stored in non-explosion proof refrigerators.  
Yes                      Food and beverages are not stored in laboratory refrigerators.  
No                      Refrigerators are clean and maintained.  
No                      Freezer are defrosted and clean.

Print Date: 11/18/2005

(All "NO" answers are to be fully explained.)  
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## Electrical Safety

- |     |  |
|-----|--|
| Yes | All electrical equipment is properly grounded.   |
| Yes | All electrical cords are in good condition, without splice or defect.                  |
| Yes | Electrical outlets are prohibited within chemical fume hoods.                          |
| Yes | The electric panel breakers and fuses are properly labeled.                            |
| Yes | Electrical cords do not pass through ceilings, doors, or walls.                        |
| Yes | Electrical cords are not draped across the laboratory floor.                           |
| Yes | Flammable liquids are not potentially near electric ignition sources.                  |
| Yes | Acids do not come into close contact with electric ignition sources.                   |
| Yes | Guards are provided for all moving parts of electrical equipment (i.e., vacuum pumps). |

## Training

- |    |   |
|----|---|
| No | The laboratory has the Laboratory Health and Safety Manual. |
| No | MSDS sheets are available.                                  |

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## Deficiency Summary

These items were deficient and do not meet the requirements of the applicable code at the time of the inspection. Items marked *Recommendation* are not required by the applicable code but are opportunities to improve the Life Safety of the property.

### Doors/Lab Safety Card

No

Laboratory Safety Information Card is up to date.

12/1/04 11:28 am



Picture 12/1/04 11:28:16 AM

12/1/04 11:33 am



Picture 12/1/04 11:33:15 AM

1/7/05 2:23 pm



Picture 1/7/05 2:23:58 PM

Yes

There is a Biohazard sticker on the Safety card.

Print Date: 11/18/2005

(All "NO" answers are to be fully explained.)  
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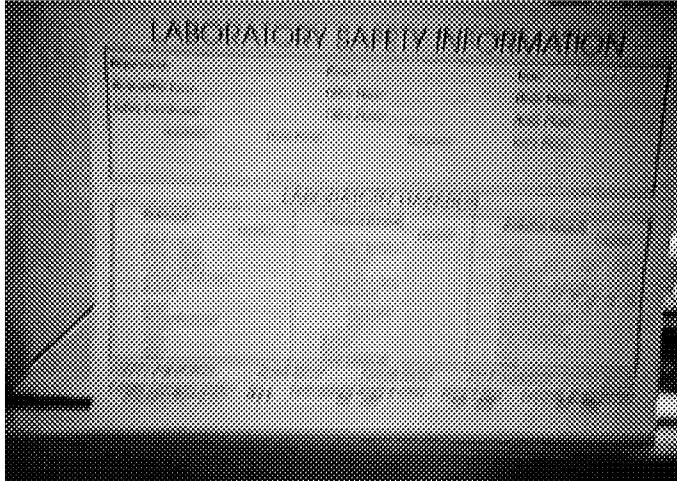
Inspection Ref: 122

## Doors/Lab Safety Card

Yes

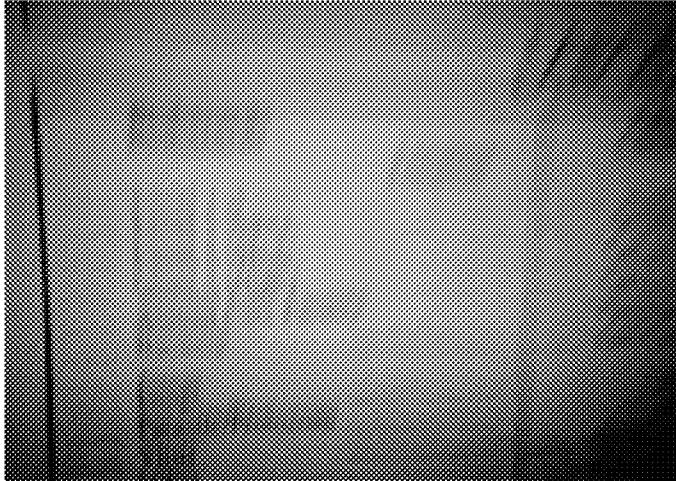
There is a Biohazard sticker on the Safety card.

12/1/04 11:48 am



Picture 12/1/04 11:48:52 AM

12/1/04 11:49 am

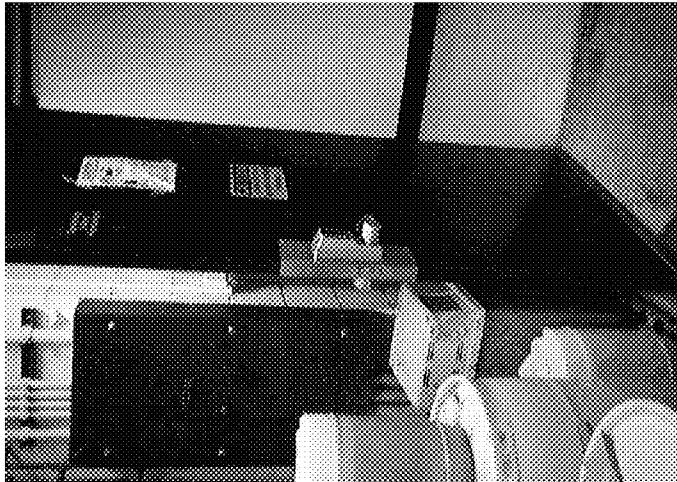


Picture 12/1/04 11:49:44 AM

No

Doors are unobstructed.

12/1/04 2:32 pm



Picture 12/1/04 2:32:36 PM

## Safety

Yes

The drench shower has been properly tested.

rewrite questions

No

Eyewash stations are "flushed" weekly for at least 3 minutes.

## Signs and Postings

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## Signs and Postings

No Laboratory Safety Rules are posted.

No Emergency gas and electrical shutoffs are clearly labeled.

## General Housekeeping

No The laboratory is clean, neat, and orderly.

No Aisles and corridors are free of obstruction and tripping hazards.

## Chemical Safety

except unknowns

No All chemical containers are properly labeled.

No All chemicals are stored compatibly.

12/1/04 3:07 pm



Picture 12/1/04 3:07:56 PM

12/1/04 3:09 pm



Picture 12/1/04 3:09:32 PM

No Flammable liquids are stored in approved flammable storage cabinets or refrigerators.

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## Chemical Safety

except unknowns

No                    Flammable liquids are stored in approved flammable storage cabinets or refrigerators.

12/1/04 3:14 pm



Picture 12/1/04 3:14:25 PM

No                    Acutely hazardous chemicals are used with appropriate safeguards.

12/1/04 3:19 pm



Picture 12/1/04 3:19:02 PM

## Fume Hood and Exhaust Systems

checked 6-17-04

No                    Chemical fume hoods are not used for storage unless so designated.

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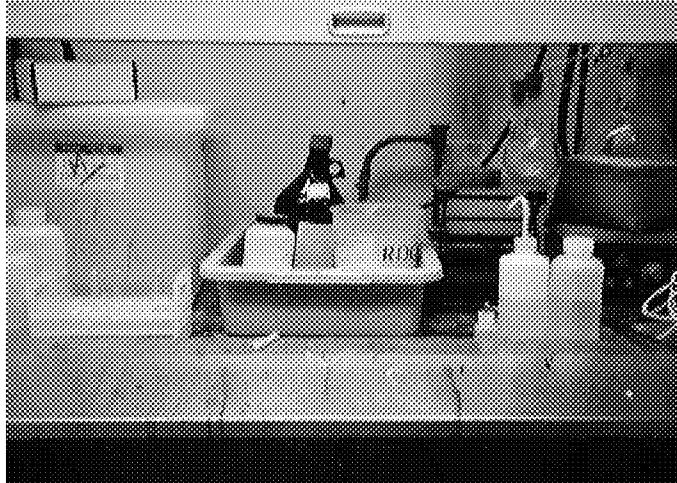
Inspection Ref: 122

## Fume Hood and Exhaust Systems

checked 6-17-04

No      Chemical fume hoods are not used for storage unless so designated.

12/1/04 3:32 pm



Picture 12/1/04 3:32:13 PM

## Refrigerators

No      Refrigerators are clean and maintained.

No      Freezer are defrosted and clean.

## Training

No      The laboratory has the Laboratory Health and Safety Manual.

No      MSDS sheets are available.